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SECURITY INFORMATION

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German Democratic Republic

FDD Abstract

REFRIGERATION EQUIPMENT BEING BUILT IN THE GDR (1 p; German; undated)

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This document is a typewritten report on the construction of refrigeration equipment in the GDR. The following equipment is being built by the plants indicated:

NAGEMA (Machinery for the Food-Processing, Refrigeration, and Chemical Industries), First Machinery Plant of Chemnitz: NH₃ systems for 30,000 kcal/h

NAGEMA, DKK [sic] Scharfenstein VEB (People-Owned Enterprise) in Scharfenstein-Erzgebirge: low temperature refrigerator with 360-liter capacity for temperatures as low as -18° [centigrade]

NAGEMA, Halle Bakery Machinery Plant VEB: two-stage NH₃ - alternating current compressor

NAGEMA, Germania Machinery Plant VEB, Chemnitz: 4-cylinder, vertical, direct-current compressor for 100,000 kcal/h; the coolant is NH₃

Friedrich Duente Electric Refrigeration, Leipzig: a low temperature refrigerator with 125-liter capacity

Kuehlautomat VEB, Johannisthal: a 6-cylinder NH₃ compressor for 70,000 kcal/h

Wiesner, Goerlitz: a weather chamber with one cubic meter capacity for 60° [centigrade] and 15 % humidity or 45° and 90 % humidity

Johann Alfred Richter, GmbH, Berlin: a material-testing chamber with a range from 100° to -70° [centigrade] (a complete report has been made on this chamber - the temperature can even be reduced to -100°); also compressors for 38,000 - 57,000 kcal/h, 56,000 - 84,000 kcal/h, and 150,000 - 225,000 kcal/h. (The first figure is the capacity at 950 rpm, the second the capacity at 1450 rpm.)

As previously reported, a part of Richter's production is to be delivered to Kuehlautomat VEB in Johannisthal.

[Foreign language document or a microfilm of it (is available from the CIA Library, Ext.]

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19 December 1951

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SUBJECT Industrial Cooling Units Produced
by DDR Concerns

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THIS DOCUMENT HAS ENCLOSURE ATTACHED

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Betrifft: Kältemaschinen ENCLOSEURE TO

DO NOT DETACH

Über die Typen von Kältemaschinen war folgendes zu erfahren:

Es bauen

NAGEMA, Erste Chemnitzer Maschinenfabrik VEB, Chemnitz, Reichsstr.
NH₃ Aggregate für 30 000 kcal/h,

NAGEMA, DKK Scharfenstein VEB, Scharfenstein/Erzgeb.
Tiefkühlschrank 360 l Nutzinhalt für Temperaturen bis -18°,

NAGEMA, Hallesche Bäckereimaschinenfabrik VEB, Halle
zweistufigen NH₃-Wechselstromkompressor,

NAGEMA, Maschinenfabrik Germania VEB, Chemnitz, Schulstr. 63,
4-Zylinder-Vertikal-Gleichstromkompressor für
1 000 000 kcal/h, Kühlmittel: NH₃,

Elektrokühlung Friedrich Dünke, Leipzig, Brandvorwerkstr. 70,
Tiefkühlschrank für 125 l Nutzinhalt,

Kühlautomat VEB, Johannisthal,
6-Zylinder-NH₃-Kompressor für 70 000 kcal/h,

Wiesner in Görlitz (nähere Angaben über die Firma fehlen),
Klimaprüfschrank mit 1 m³ Nutzinhalt für
plus 60° und 15% Luftfeuchtigkeit oder
" 45° " 90% "

Joh. Alfr. Richter GmbH, Berlin O 17,

Materialprüfschrank für plus 100° und -70°. Hierüber wurde
bereits eingehend berichtet. Die Temperatur auf der Kälte-
seite kann auch bis -100° gesteigert werden.

Kompressoren 38 000/57 000 kcal/h
56 000/84 000 "
150 000/225 000 "

wobei die erste Zahl
die Leistung bei 950 U/min
und die zweite bei
1450 U/min ist.

Wie schon berichtet worden ist, soll die Produktion ^(zum Teil) von
Richter an Kühlautomat VEB, Johannisthal abgegeben werden.

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